

MODIS Science Data Support Team (SDST) Meeting Minutes 7/16/93

ATTENDEES: John Bauernschub, Lloyd Carpenter, Ruiming Chen, John Crocker, Larry Fishtahler, Tom Goff, Joann Harnden, Paul Hubanks, Ginny Kalb, Geir Kvaran, Ed Masuoka, J.J. Pan, Shahin Samadi, Greg Schmidt, Carl Solomon, Jim Storey, Lalit Wanchoo

MODIS AIRBORNE SIMULATOR (MAS): Paul Hubanks reported that he completed the processing of TOGA/COARE flight #93-067 for Dr. King. Eleven flight tracks were identified and handed off to Dr. King's group on Monday. Hubanks also reported on the new ASTEX calibration and he is currently updating the MAS processing software to reflect the new calibration.

MODIS GEOLOCATION: Jim Storey reported on the status of MODIS geolocation work. Comments on the review version of the earth location ATBD are being received and are being incorporated.

Production of a 10-day AVHRR data set from EDC for prototype and test purposes is scheduled to begin this week. The expected time to completion is two weeks. Incremental deliveries have been requested. Jeff Eidenshink (EDC) requests that NASA provide a formal written request to R. J. Thomson, Chief, USGS EOS Data Systems Project Office, for this work.

SDST SYSTEMS/SOFTWARE ENGINEERING STATUS: Carl Solomon reported that a draft of the Software and Data Management Plan is in progress. The final is due on July 30, 1993. The PGS Toolkit specification requires a review by the applicable SDST staff prior to meeting with the PGS personnel. The operations concept scenario development will be completed after the Software and Management Plan. A date needs to be set for the Software Engineering course.

NETWORK LINK FROM TLCF TO RDC : Tom Goff reported that legal formalities needed to hand-off the router box are complete.

DATA ORGANIZATION AND ACCESS FOCUS TEAM (DOAFT) MEETING: Al Fleig and Tom Goff attended the first DOAFT meeting which deals with access to data via the IMS.

MODIS LAND PROTOTYPE: Ruiming Chen discussed the status of the MODIS prototyping effort. Prototyping efforts to date have been with Chris Justice and Alan Strahler. Chris' assistant, Jackie Kendall, furnished a fire algorithm in C. Six of seven bands of TM data of the Plumas National Forest have been successfully copied. The images have been mosaiced and look fine.

SDST's latest estimate of MODIS processing and storage requirements has been compared with those of Michael King and Ghassem Asrar in their memo of June 23rd. The speed requirement in the King/Asrar memo is more complete than the SDST information. The SDST storage estimates are based on Al Fleig's more conservative approach, so that the SDST estimate is higher by 23%.

ACTION ITEMS:

1. 05/21/93 [John Crocker]. Due Date: 07/30/93. Complete the first draft of the MODIS Operations Concept document. (Tom Goff will contact MCST about their contribution.) STATUS: Open.
2. 05/28/93 [Jim Storey]. Due Date: 07/30/93. Develop a plan and schedule for MODIS geolocation prototyping and testing. STATUS: Open.
3. 06/25/93 [Paul Hubanks & Carl Solomon]. Due Date: 07/30/93. Evaluate the SeaWiFS scheduling algorithm and code to see if it can be applied to the MAS processing. STATUS: Open.
4. 06/25/93 [Paul Hubanks]. Due Date: 07/30/93. Get the HDF display software from NCSA and test it on Macintosh computers with the data produced from the MAS software. STATUS: Open.
5. 07/09/93 [Paul Hubanks & Carl Solomon]. Due Date: 07/23/93. Develop/outline a plan to automate and optimize the MAS processing. STATUS: Open.
6. 07/09/93 [Paul Hubanks]. Due Date: 07/23/93. Process a flight line of MAS data for Dorothy Hall. STATUS: Open.
7. 07/09/93 [Lloyd Carpenter, Tom Goff, Carl Solomon]. Due Date: 07/16/93. Complete the draft of the Level 1A Baseline Requirements Document. STATUS: Closed.
8. 07/09/93 [Lloyd Carpenter, Carl Solomon]. Due Date: 07/30/93. Develop PERT chart showing tasks, schedules, and resources for the SDST. STATUS: Open.
9. 07/02/93 [Paul Hubanks] Due Date: 07/30/93. Get the MODIS UIID. STATUS: Open.
10. 07/02/93 [John Crocker] Due Date: 08/06/93. Establish a MODIS document management plan. STATUS: Open.
11. 07/02/93 [Lloyd Carpenter] Due Date: 07/23/93. Contact Mathew Schwaller to see if Project is taking care of metadata for ancillary inputs. STATUS: Open.
12. 07/02/93 [Ruiming Chen, J.J. Pan] Due Date: 08/20/93. Develop an ancillary data product document. Use information in ATBDs. STATUS: Open.
13. 07/02/93 [Tom Goff] Due Date: 08/13/93. Provide scenarios about how MODIS will access data from DADS to TLCF. STATUS: Open.
14. 07/02/93 [Paul Hubanks] Due Date: 07/30/93. Contact Sherri Calvo about Guide, Directory, and Inventory metadata and try to provide it all to MAS. STATUS: Open.